

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002609**Date Inspected:** 20-Aug-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the OBG segment, Lift 9, External surface weld seam connection -9AW to 9 BW and 9BW to 9CW, for Surface preparation inspection, vide request no. 4030 at OBG assembly yard. This QA inspector observed, ABF inspectors Mr. Turtle, Mr. Vince, and Mr. Hong performing the Blasting inspection in mentioned areas. This was found accepted by ABF Inspectors. The surface profile measured by ZPMC inspectors found to be 76 to 82 microns which is acceptable as per contract documents. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the course of this inspection process.

2. An inspection was requested on the Tower external surface, Lift 2, West for final acceptance after finish coat, vide notification no. T 1093 at Paint shop 1. This QA inspector observed, ABF inspectors Mr. Sun, Mr. Don Walton and Mr. Turtle were present during the inspection process. Mr. Aaron Prichlik from Caltrans have been called for, and He inspected all the external surfaces of the shaft along with Caltrans Inspector Ms. Jina. It was observed that, He accepted the surfaces which was subject to a. Touch up in small areas near 50.3 mtr. elevation on Skin D, near CD corner, b. Touch up in all back side & caulking in Brackets on Skin D. (Photo of the tower is attached). International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the course of this inspection process for any Technical Discussion.

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## SOURCE INSPECTION REPORT

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3. An inspection was requested on the Tower Struts- 9 Sets for surface preparation inspection, vide inspection request no. T 1095 at Blast shop no. 4. This QA inspector observed, ABF inspectors Mr. Don Walton and Mr. Sun inspecting all the surfaces. This was found rejected by ABF inspectors for Porosity, Weld repairs and Edge grinding. Mr. Bi De Wei from ABF has been called to mark weld repairs to follow it up after painting. After attending the marked grinding points, It was observed that, ZPMC called for inspection again vide inspection request no. T 1097. This was found accepted by ABF Inspectors for Interzinc 22 application. The surface profile measured by ZPMC inspectors is in the range of 75 to 85 microns and the Salt test result found to be 14.3 us/cm, which is acceptable as per contract documents. International protective coatings technical service representative Mr. Lou Qian Chuan. was found present during the course of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

No relevant conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Michel Ng (15921845703), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Baskar, Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford, William	QA Reviewer

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